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Selected List of Published Recommendations on Drainage

Donald R. Sisson

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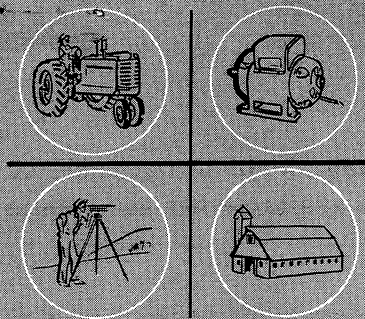
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Agricultural Engineering

Serves the Farmer

TRACTORS • MACHINERY • DRAINAGE • IRRIGATION • SOIL CONSERVATION
BUILDINGS • FARM ELECTRIFICATION • CROP DRYING AND PROCESSING

Cooperative Extension Service
Purdue University
Lafayette, Indiana

Mimeo AE-65
November, 1965

SELECTED LIST OF PUBLISHED RECOMMENDATIONS ON DRAINAGE

Prepared By Donald R. Sisson, Extension Agricultural Engineer

This selected list of publications has been prepared to help county surveyors and others obtain published information pertaining to drainage design, construction and maintenance. Each surveyor may wish to avail himself of such materials pursuant to the 1965 Indiana Drainage Code (Section 109, Chapter 305, Acts of 1965).

Not all of these publications will be of equal value in establishing drainage standards in each county. Those items with an asterisk (*) will be of greatest value and the others will be of help to some or will be good general references to have on file.

All known pertinent publications of Purdue University, the American Society of Agricultural Engineers, the American Society of Civil Engineers and the United States Department of Agriculture are included.

PURDUE UNIVERSITY

Single copies of the following publications are available free from any county extension agent or from the Publications Office, Agricultural Experiment Station Building, Purdue University, Lafayette, Indiana 47907:

*Indiana Farm Drainage Guide, ID-55
(This manual is presently out of print, but is being revised and reprinted and will be available in early 1966.)

*Follow These Suggestions for Good Tile Drainage, Extension Circular 458.

Water Table Control on Maumee Fine Sandy Loam, Research Progress Report 142.

Surface Drainage on Clermont Silt Loam, Research Progress Report 159.

Land Smoothing System of Surface Drainage, AE-60.

Weeding with Chemicals, ID-1.

Grass Waterways, Extension Circular 453.

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The following publications are available from the Joint Highway Research Project, Civil Engineering Building, Purdue University, Lafayette, Indiana 47907:

*Principles of Highway Drainage and Erosion Control, Engineering Bulletin, County Highway Series No. 4. (Free)

Determination of Peak Discharge and Design Hydrographs for Small Watersheds in Indiana, 106 pages. Price \$1.00.

Soil survey reports are available free through the county extension agent. Soil survey reports of the following counties are presently available:

Adams	Miami
Bartholomew	Monroe
Blackford	Morgan
Brown	Newton
Carroll	Noble
Cass	Ohio-Switzerland
Clay	Pike
Decatur	Putnam
Dubois	Randolph
Fayette-Union	Scott
Franklin	St. Joseph
Fulton	Steuben
Gibson	Switzerland-Ohio
Hancock	Owen
Jennings	Tippecanoe
Johnson	Union-Fayette
Knox	Vanderburgh
Kosciusko	Vermillion
LaPorte	Washington
Lawrence	Wayne
Martin	

Soil survey reports are in the process of publication for these counties:

Allen	Pulaski
Fountain	Perry
Madison	Sullivan
Parke	

County drainage maps, an "Atlas of County Drainage Maps of Indiana" and engineering soils maps are available at the costs indicated from the Joint Highway Research Project, Civil Engineering Building, Purdue University, Lafayette, Indiana 47907:

County Drainage Maps at the scale of $1/2'' = 1$ mile are available for all counties at \$1 per map.

County Drainage Maps at the scale of $1'' = 1$ mile are available for all counties at \$2 per map.

"Atlas of County Drainage Maps of Indiana" including all counties at a map scale of $1/2'' = 1$ mile; cost \$15 per copy.

County engineering soils maps at a scale of $1'' = 1$ mile are available for the following counties at \$2 per map:

Cass	Jennings	Parke
Clark	Kosciusko	Porter
Dearborn	LaGrange	Pulaski
DeKalb	Lake	Ripley
Elkhart	LaPorte	Rush
Floyd	Marshall	St. Joseph
Fountain	Monroe	Scott
Grant	Montgomery	Steuben
Harrison	Newton	Starke
Jackson	Noble	Switzerland
Jasper	Ohio	Tippecanoe
Jefferson		Tipton

U. S. DEPARTMENT OF AGRICULTURE

*Engineering Handbook for Soil Conservationists in the Corn Belt, Agriculture Handbook No. 135. Available from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. Price \$2.

*Soil Conservation Service National Engineering Handbook, Section 16--Drainage. One copy of this handbook will be made available free to each county for the office of the county surveyor and the county drainage board. The county surveyor may request this copy from the Soil Conservation Service, 311 West Washington Street, Indianapolis, Indiana 46204.

Single copies of the following USDA publications are available free from the Agricultural Engineering Department, Purdue University, Lafayette, Indiana 47907:

Farm Drainage, USDA Farmer's Bulletin No. 2046

Maintaining Drainage Systems, USDA Farmer's Bulletin No. 2047

Keep Your Tile Drains Working, USDA Leaflet No. 347

Single copies of the following publication are available free from Mr. Keith H. Beauchamp, Soil Conservation Service, 134 South 12th Street, Lincoln, Nebraska 68508:

Structures in Soil and Water Conservation

The following Soil Conservation Service Technical Guides may be reviewed only in any Soil Conservation Service Office:

- 310 - Bedding
- 314 - Brush and Weed Control
- 326 - Clearing and Snagging
- 356 - Dikes and Levees
- 360 - Ditch Bank Seeding
- 362 - Diversions
- 410 - Grade Stabilization Structures
- 412 - Grassed Waterway or Outlet
- 466 - Land Smoothing
- 480 - Drainage Main or Lateral
- 533 - Pumping Plants for Water Control
- 572 - Spoilbank Spreading

- 580 - Streambank Protection
- 582 - Stream Channel Improvement
- 584 - Stream Channel Stabilization
- 587 - Structures for Water Table Control
- 590 - Drainage Field Ditches
- 606 - Tile Drains
- 608 - Tile System Structures

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS

The following two publications are available at the price indicated from the American Society of Agricultural Engineers, 420 Main Street, St. Joseph, Michigan 49085:

*Design and Construction of Tile Drains in Humid Areas, ASAE Recommendation R-260.1, 10 pages, 8 1/2 x 11. Price \$1.25 per copy.

*Design Criteria for Interrelated Highway and Agricultural Drainage and Erosion Control. ASAE Recommendation R-265, 24 pages 8 1/2 x 11. Price \$1 per copy.

AMERICAN SOCIETY OF CIVIL ENGINEERS

The following are available at the price indicated from the American Society of Civil Engineers, 33 West 39th Street, New York, New York:

Hydrology Handbook, Manual No. 28. Price \$3.00 (\$1.50 to ASCE members).

Design and Construction of Sanitary and Storm Sewers, Manual No. 37. Price \$7.00 (\$3.50 to ASCE members).

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